

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. *(Currently amended)* A stent comprising:
  - (a) substrate; and
  - (b) a flexible calcium phosphate coating on the substrate, wherein said coating has a thickness of no more than 1  $\mu\text{m}$ .
2. *(Previously presented)* A stent as claimed in claim 1 wherein the calcium phosphate coating comprises hydroxyapatite.
3. *(Previously presented)* A stent as claimed in claim 1 wherein the thickness of the calcium phosphate coating is between about 0.01  $\mu\text{m}$  to 1  $\mu\text{m}$ .
4. *(Previously presented)* A stent as claimed in claim 1 wherein the thickness of the calcium phosphate coating is between about 0.1  $\mu\text{m}$  to 1  $\mu\text{m}$ .
5. *(Previously presented)* A stent as claimed in claim 1 wherein the tensile bond strength between the substrate and the calcium phosphate coating is greater than about 20 MPa.
6. *(Cancelled)*
7. *(Previously presented)* A stent as claimed in claim 1 wherein the coating covers about 20% to about 99% of the surface of the substrate.
8. *(Previously presented)* A stent as claimed in claim 1 wherein the substrate comprises a metal or metal alloy selected from stainless steel, cobalt alloy, titanium, cobalt-chromium, cobalt-iron, and cobalt-chromium-nickel-molybdenum-iron.
9. *(Previously presented)* A stent as claimed in claim 1 wherein the calcium phosphate coating is porous and the pores retain and elute a drug.

10. *(Cancelled)*

11. *(Previously presented)* A stent as claimed in claim 9 wherein the substrate has a first calcium phosphate coating and a second calcium phosphate coating and the drug is contained in the first and second coatings.

12. *(Previously presented)* A stent as claimed in claim 9 wherein the drug inhibits restenosis.

13. *(Previously presented)* A stent as claimed in claim 1 wherein the calcium phosphate coating comprises dicalcium phosphate, tricalcium phosphate or tetracalcium phosphate.

14-36. *(Cancelled)*

37. *(Previously presented)* A stent as claimed in claim 1, wherein the tensile bond strength between the substrate and the calcium phosphate coating is greater than about 40 MPa.

38. *(Previously presented)* A stent as claimed in claim 1, wherein the calcium phosphate coating is an electrochemically deposited coating.

39. *(Withdrawn)* A stent as claimed in claim 1, wherein the calcium phosphate coating is an electrophoretically deposited coating.

40. *(Withdrawn)* A stent as claimed in claim 1, wherein the calcium phosphate coating is a sol gel deposited coating.

41. *(Withdrawn)* A stent as claimed in claim 1, wherein the calcium phosphate coating is an aerosol gel deposited coating.

42. *(Withdrawn)* A stent as claimed in claim 1, wherein the calcium phosphate coating is a dip-coated coating.

43. (*Withdrawn*) A stent as claimed in claim 1, wherein the calcium phosphate coating is a spin-coated coating.

44-59. (*Cancelled*)